OIPE

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    3 <110> APPLICANT: Pascal, Erica
    4         Valentine, Scott
    5         Brown, Jeffrey
    6         Cockrell, Adam
    7         Johnson, Brian
    9 <120> TITLE OF INVENTION: CONTROL OF GENE EXPRESSION IN PLANTS
   11 <130> FILE REFERENCE: 50018A
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/087,167
C--> 13 <141> CURRENT FILING DATE: 2002-03-01
   13 <150> PRIOR APPLICATION NUMBER: US 60/242,969
   14 <151> PRIOR FILING DATE: 2000-10-24
   16 <160> NUMBER OF SEQ ID NOS: 148
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   26 <221> NAME/KEY: CDS
   27 <222> LOCATION: (361)..(2031)
   28 <223> OTHER INFORMATION: Manduca sexta Ecdysone Receptor
   31 <300> PUBLICATION INFORMATION:
   32 <301> AUTHORs: Fujiwara, et al.
   33 <302> TITLE: Cloning of an ecdysone receptor homolog from Manduca sexta and the
   34         developmental profile of its mRNA in wings
   35 <303> JOURNAL: Insect Biochem. Mol. Biol.
   36 <304> VOLUME: 25
   37 <305> ISSUE: 7
   38 <306> PAGES: 845-856
   39 <307> DATE: 1995
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 65 Ala Ala Met Val Met Ser Pro Glu Ser Leu Ala Ser Pro Glu Tyr Gly
 66             35              40              45
 68 ggc ctc gag ctc tgg agc tac gat gag acc atg aca aac tat ccg gcg      552
 69 Gly Leu Glu Leu Trp Ser Tyr Asp Glu Thr Met Thr Asn Tyr Pro Ala
 70     50              55              60
 72 cag tca ctg ctc ggc gcg tgt aat gcg ccg cag cag cag cag caa cag      600
 73 Gln Ser Leu Leu Gly Ala Cys Asn Ala Pro Gln Gln Gln Gln Gln Gln
 74 65              70              75              80
 76 caa caa cag cag ccg tcc gct cag ccg ctg ccg tct atg ccg ctg ccg      648
 77 Gln Gln Gln Gln Pro Ser Ala Gln Pro Leu Pro Ser Met Pro Leu Pro
 78             85              90              95
 80 atg cct cct aca act cct aaa tca gag aac gag tcc atg tcg tca ggt      696
 81 Met Pro Pro Thr Thr Pro Lys Ser Glu Asn Glu Ser Met Ser Ser Gly
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 84 cga gaa gaa tta tca ccg gcc tca agt ata aat gga tgt agt act gat      744
 85 Arg Glu Glu Leu Ser Pro Ala Ser Ser Ile Asn Gly Cys Ser Thr Asp
 86         115             120             125
 88 ggg gaa cca aga cga cag aag aaa ggg cca gcg ccg cgc cag cag gag      792
 89 Gly Glu Pro Arg Arg Gln Lys Lys Gly Pro Ala Pro Arg Gln Gln Glu
 90         130             135             140
 92 gaa ctg tgc ctt gtt tgc ggc gac agg gct tcg gga tat cac tat aac      840
 93 Glu Leu Cys Leu Val Cys Gly Asp Arg Ala Ser Gly Tyr His Tyr Asn
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 96 gcg ctt acg tgc gaa gga tgt aaa ggg ttc ttc agg cgg agt gtg acc      888
 97 Ala Leu Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Thr
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104 atg tac atg agg aga aaa tgc caa gag tgt cgg ttg aag aaa tgc ctc      984
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RAW SEQUENCE LISTING   DATE: 03/22/2002
PATENT APPLICATION: US/10/087,167   TIME: 10:47:24

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137 Gln Thr Trp Gln Leu Glu Glu Glu Glu Glu Glu Glu Thr Asp Met Pro
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166         435                   440                   445
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174 465                   470                   475                   480
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212 aagtaatata tgaagagatg tttctattgg gtgaaaagtt taaacttatg tttatttacc      2581
214 aaaattaact atacgttgat cgaccttttg actataatat tgtgctgggt cgttggcagc      2641
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249 65                  70                  75                  80
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273             165                 170                 175
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/087,167

DATE: 03/22/2002
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309 305                    310                    315                    320
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313                    325                    330                    335
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325      370                    375                    380
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329 385                    390                    395                    400
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333                    405                    410                    415
336 Val Ile Glu Asp Leu Leu His Phe Cys Arg Cys Met Tyr Ser Met Ser
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345      450                    455                    460
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349 465                    470                    475                    480
352 Ser Pro Arg Cys Ala Val Leu Phe Gly Lys Ile Leu Gly Val Leu Thr
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356 Glu Leu Arg Thr Leu Gly Thr Gln Asn Ser Asn Met Cys Ile Ser Leu
357          500                    505                    510
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VERIFICATION SUMMARY   DATE: 03/22/2002
PATENT APPLICATION: US/10/087,167   TIME: 10:47:25

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VERIFICATION SUMMARY
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DATE: 03/22/2002
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